

STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 116999

TO: Shailendra Kumar
Location: 5d61 / 5c18
Tuesday, March 16, 2004
Art Unit: 1621
Phone: 272-0640
Serial Number: 09 / 728184

From: Jan Delaval
Location: Biotech-Chem Library
Rem 1A51
Phone: 272-2504

jan.delaval@uspto.gov

Search Notes

L Number	Hits	Search Text	DB	Time stamp
1	152	(514/628).CCLS.	USPAT; US-PGPUB	2004/03/16 15:36
2	264	(564/207).CCLS.	USPAT; US-PGPUB	2004/03/16 15:36

Jan please

116999

Access DB#

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: S. Kumar Examiner #: 69594 Date: 3/16/04
Art Unit: 1621 Phone Number 301 571 2720 Serial Number: 09/728 184
Mail Box and Bldg/Room Location: 5D 61 REM Results Format Preferred (circle) PAPER DISK E-MAIL
5C18

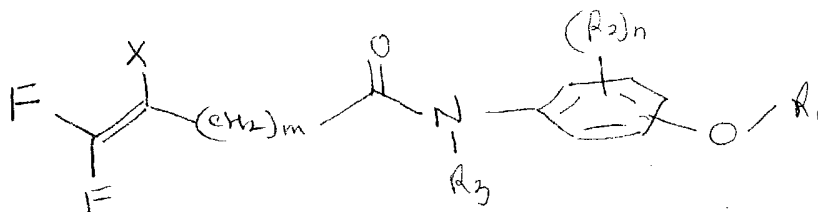
If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Carboxylic acid derivatives
Inventors (please provide full names): Manfre Boeger et al

Earliest Priority Filing Date: 6/2/1998

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.



R_1 is Haloalkyl, haloalkenyl, or haloalkynyl
 R_2 is Halo, NO_2 , CN , alkyl, alkenyl, alkynyl, cycloalkyl, alkoxy etc.
 R_3 is H, alkyl, benzyl
 m is 1, 3, 5, 7 or 9
 n is 0, 1, 2, 3, or 4
 X is H, F or CH_3

RECEIVED
MAR 16 2004
(STIC)

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>3110</u>	NA Sequence (#) _____	STN <input checked="" type="checkbox"/>
Searcher Phone #: <u>22504</u>	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) <input checked="" type="checkbox"/>	Questel/Orbit _____
Date Searcher Picked Up: <u>3/16</u>	Bibliographic _____	Dr. Link _____
Date Completed: <u>3/16</u>	Litigation _____	Lexis/Nexis <u>(SIS)</u>
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems <u>3/16/04</u>
Clerical Prep Time: <u>10:10</u>	Patent Family _____	WWW/Internet _____
Online Time: _____	Other _____	Other (specify) <u>05/10/04</u>

=> fil reg

FILE 'REGISTRY' ENTERED AT 17:11:19 ON 16 MAR 2004

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STRUCTURE FILE UPDATES: 15 MAR 2004 HIGHEST RN 663595-21-9
DICTIONARY FILE UPDATES: 15 MAR 2004 HIGHEST RN 663595-21-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

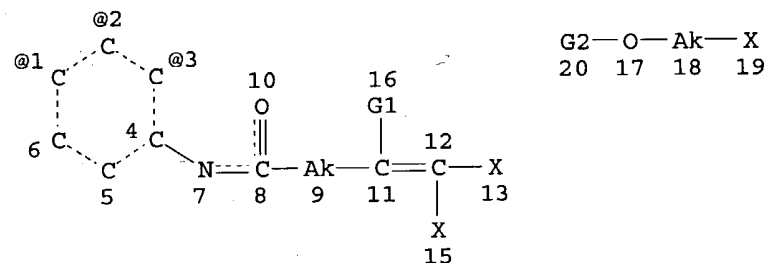
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d sta que l5

L1 STR



VAR G1=H/X/AK

VAR G2=1/2/3

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC 4

NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE

L3 21 SEA FILE=REGISTRY SSS FUL L1

L4 3 SEA FILE=REGISTRY ABB=ON PLU=ON L3 AND (C22H27F4NO5S OR C22H26CLF4NO3 OR C20H22CLF4NO3)

L5 18 SEA FILE=REGISTRY ABB=ON PLU=ON L3 NOT L4

=> d his

(FILE 'HOME' ENTERED AT 17:05:09 ON 16 MAR 2004)

SET COST OFF

FILE 'REGISTRY' ENTERED AT 17:05:30 ON 16 MAR 2004

L1 STR

L2 2 S L1

L3 21 S L1 FUL
SAV L3 KUMAR728/A
L4 3 S L3 AND (C22H27F4NO5S OR C22H26CLF4NO3 OR C20H22CLF4NO3)
L5 18 S L3 NOT L4

FILE 'HCAOLD' ENTERED AT 17:09:19 ON 16 MAR 2004

L6 0 S L5

FILE 'HCAPLUS' ENTERED AT 17:09:22 ON 16 MAR 2004

L7 3 S L5
L8 1 S L7 AND (BOEGER ? OR BOGER ? OR MAIENFISCH ? OR PITTERNA ?)/AU
L9 0 S L7 AND SYNGENTA?/PA,CS
L10 1 S L7 AND NOVARTIS?/PA,CS
L11 3 S L7-L10

FILE 'USPATFULL, USPAT2' ENTERED AT 17:11:07 ON 16 MAR 2004

L12 1 S L5

FILE 'REGISTRY' ENTERED AT 17:11:19 ON 16 MAR 2004

=> fil uspatall

FILE 'USPATFULL' ENTERED AT 17:11:26 ON 16 MAR 2004
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 17:11:26 ON 16 MAR 2004
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> d l12 bib abs hitstr

L12 ANSWER 1 OF 1 USPATFULL on STN
AN 2003:307031 USPATFULL
TI Carboxylic acid derivatives
IN Boeger, Manfre, Weil am Rhein, GERMANY, FEDERAL REPUBLIC OF
Boeger, Franziska, Weil am Rhein, GERMANY, FEDERAL REPUBLIC OF LR
Maienfisch, Peter, Rodersdorf, SWITZERLAND
Pitterna, Thomas, Basel, SWITZERLAND
Boeger, Christian Martin, Inzlingen, GERMANY, FEDERAL REPUBLIC OF
Boeger, Oliver Wolfgang, Weil am Rhein, GERMANY, FEDERAL REPUBLIC OF
PI US 2003216467 A1 20031120
AI US 2000-728184 A1 20001202 (9)
RLI Continuation of Ser. No. WO 1999-EP3790, filed on 31 May 1999, UNKNOWN
PRAI CH 1998-1195 19980602
DT Utility
FS APPLICATION
LREP William A. Teoli Jr., Syngenta Crop Protection, Inc., Patent and
Trademark Dept., 410 Swing Road, Greensboro, NC, 27409
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 880
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB There are described compounds of formula ##STR1##

wherein

R.sub.1 is halo-C.sub.1-C.sub.6alkyl; halo-C.sub.2-C.sub.6alkenyl; or
halo-C.sub.3-C.sub.6alkynyl;

R.sub.2 is halogen, nitro, cyano, C.sub.1-C.sub.10alkyl,
C.sub.2-C.sub.6alkenyl, C.sub.2-C.sub.6alkynyl, C.sub.3-
C.sub.8cycloalkyl, C.sub.1-C.sub.6alkoxy, C.sub.3-C.sub.6alkenyloxy,
halo-C.sub.1-C.sub.10alkyl, halo-C.sub.2-C.sub.6alkenyl,
halo-C.sub.1-C.sub.6alkoxy, C.sub.3-C.sub.6alkynyloxy,

C.sub.1-C.sub.4alkylthio, di(C.sub.1-C.sub.4-alkyl)amine in which the two alkyl groups are independent of one another; aryl, aryloxy, arylthio, or substituted aryl, aryloxy or arylthio;

R.sub.3 is hydrogen or unsubstituted or substituted C.sub.1-C.sub.10alkyl; or benzyl in which the phenyl ring is unsubstituted or monosubstituted by a substituent selected from the group consisting of nitro, halogen, --CF.sub.3, --CN and C.sub.1-C.sub.4alkyl;

m is 1, 3, 5, 7 or 9;

n is 0, 1, 2, 3 or 4; and

X is hydrogen, fluorine or methyl;

in free form or in salt form,

with the proviso that m may not be 1 when X and R.sub.3 are hydrogen, n is 0 and --O--R.sub.1 is 4-trifluoromethoxy;

a process for the preparation of such compounds and the use of such compounds, pesticidal compositions in which the active ingredient is selected from those compounds, in free form or in an agrochemically suitable salt form, a method of preparing such compositions and the use of such compositions, plant propagation material treated with such compositions, and a method of controlling pests.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 251981-32-5P 251981-33-6P 251981-34-7P

251981-35-8P 251981-36-9P 251981-37-0P

251981-38-1P 251981-39-2P 251981-40-5P

251981-42-7P 251981-43-8P 251981-44-9P

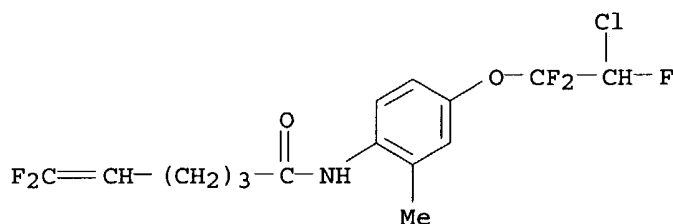
251981-45-0P 251981-46-1P 251981-47-2P

251981-48-3P

(preparation of difluoroalkenecarboxanilides as pesticides and their use in pesticidal compns.)

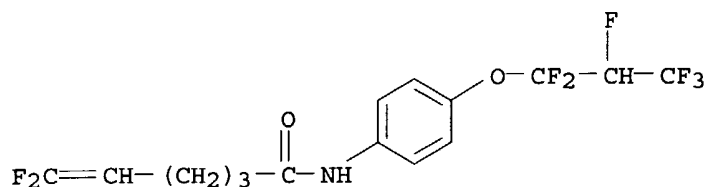
RN 251981-32-5 USPATFULL

CN 5-Hexenamide, N-[4-(2-chloro-1,1,2-trifluoroethoxy)-2-methylphenyl]-6,6-difluoro- (9CI) (CA INDEX NAME)

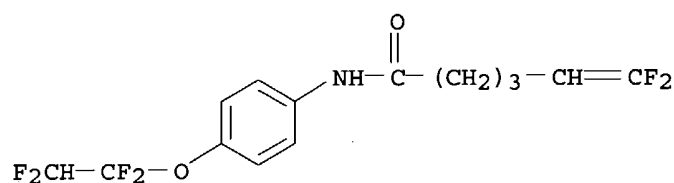


RN 251981-33-6 USPATFULL

CN 5-Hexenamide, 6,6-difluoro-N-[4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]- (9CI) (CA INDEX NAME)

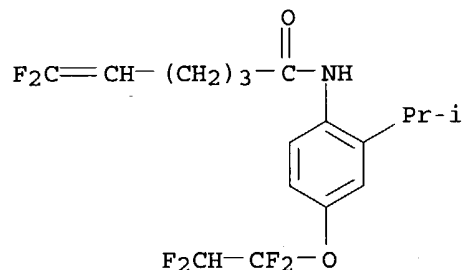


RN 251981-34-7 USPATFULL

CN 5-Hexenamide, 6,6-difluoro-N-[4-(1,1,2,2-tetrafluoroethoxy)phenyl]- (9CI)
(CA INDEX NAME)

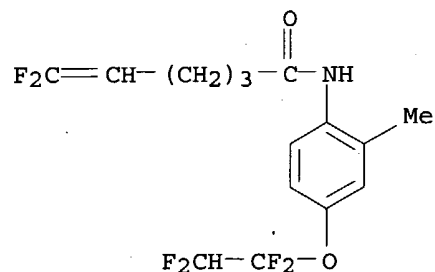
RN 251981-35-8 USPATFULL

CN 5-Hexenamide, 6,6-difluoro-N-[2-(1-methylethyl)-4-(1,1,2,2-tetrafluoroethoxy)phenyl]- (9CI) (CA INDEX NAME)



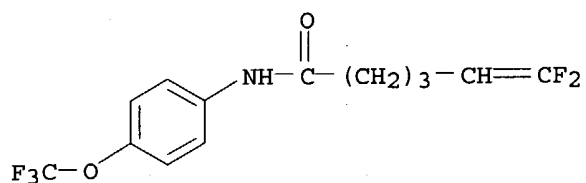
RN 251981-36-9 USPATFULL

CN 5-Hexenamide, 6,6-difluoro-N-[2-methyl-4-(1,1,2,2-tetrafluoroethoxy)phenyl]- (9CI) (CA INDEX NAME)



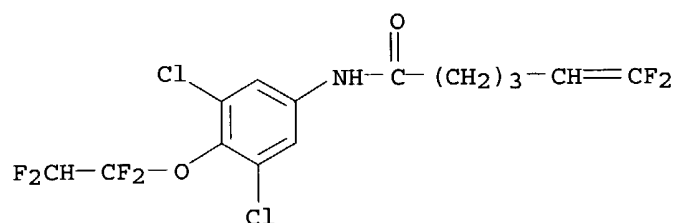
RN 251981-37-0 USPATFULL

CN 5-Hexenamide, 6,6-difluoro-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



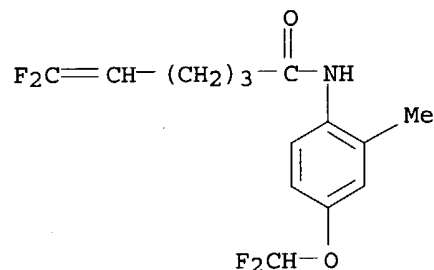
RN 251981-38-1 USPATFULL

CN 5-Hexenamide, N-[3,5-dichloro-4-(1,1,2,2-tetrafluoroethoxy)phenyl]-6,6-difluoro- (9CI) (CA INDEX NAME)



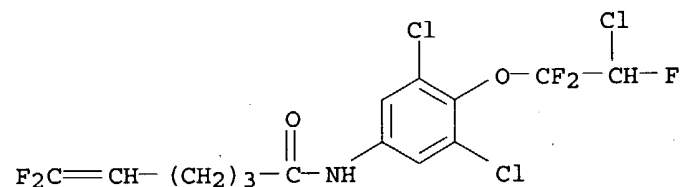
RN 251981-39-2 USPATFULL

CN 5-Hexenamide, N-[4-(difluoromethoxy)-2-methylphenyl]-6,6-difluoro- (9CI) (CA INDEX NAME)



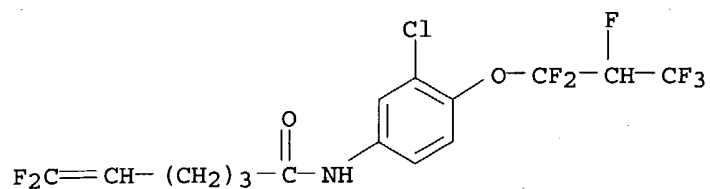
RN 251981-40-5 USPATFULL

CN 5-Hexenamide, N-[3,5-dichloro-4-(2-chloro-1,1,2-trifluoroethoxy)phenyl]-6,6-difluoro- (9CI) (CA INDEX NAME)



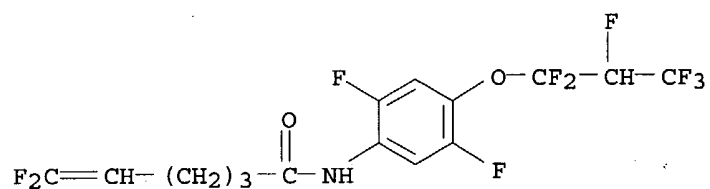
RN 251981-42-7 USPATFULL

CN 5-Hexenamide, N-[3-chloro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-6,6-difluoro- (9CI) (CA INDEX NAME)



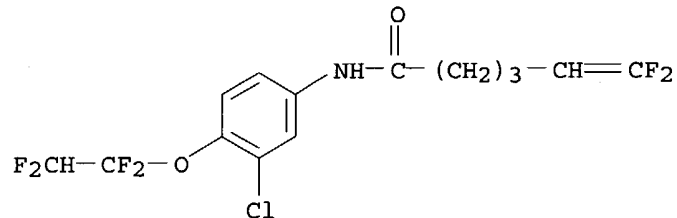
RN 251981-43-8 USPATFULL

CN 5-Hexenamide, N-[2,5-difluoro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-6,6-difluoro- (9CI) (CA INDEX NAME)



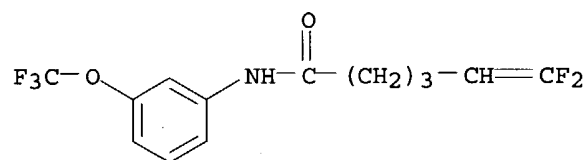
RN 251981-44-9 USPATFULL

CN 5-Hexenamide, N-[3-chloro-4-(1,1,2,2-tetrafluoroethoxy)phenyl]-6,6-difluoro- (9CI) (CA INDEX NAME)



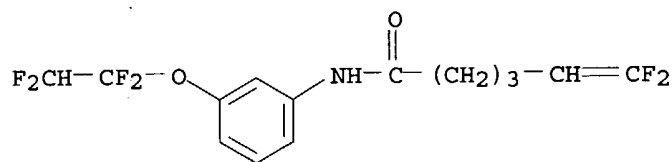
RN 251981-45-0 USPATFULL

CN 5-Hexenamide, 6,6-difluoro-N-[3-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



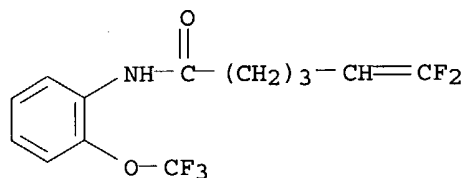
RN 251981-46-1 USPATFULL

CN 5-Hexenamide, 6,6-difluoro-N-[3-(1,1,2,2-tetrafluoroethoxy)phenyl]- (9CI) (CA INDEX NAME)



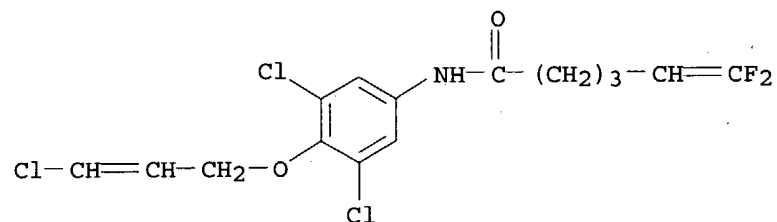
RN 251981-47-2 USPATFULL

CN 5-Hexenamide, 6,6-difluoro-N-[2-(trifluoromethoxy)phenyl] - (9CI) (CA INDEX NAME)



RN 251981-48-3 USPATFULL

CN 5-Hexenamide, N-[3,5-dichloro-4-[(3-chloro-2-propenyl)oxy]phenyl]-6,6-difluoro- (9CI) (CA INDEX NAME)



=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 17:11:35 ON 16 MAR 2004

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FILE COVERS 1907 - 16 Mar 2004 VOL 140 ISS 12

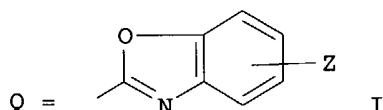
FILE LAST UPDATED: 15 Mar 2004 (20040315/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L11 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:754033 HCAPLUS
DN 135:303602
ED Entered STN: 16 Oct 2001
TI Preparation of difluoroalkenyl compounds and agrochemical pesticides
   containing them
IN Hatano, Koji; Nakamoto, Yasushi; Umeyama, Hideaki; Noritake, Tomoya
PA Ube Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 32 pp.
   CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM C07C057-52
   ICS A01N037-06; A01N037-22; A01N037-52; C07C033-42; C07C051-235;
       C07C069-65; C07C233-09; C07C233-27; C07C327-44; C07C327-58;
       C07D213-75; C07D215-42; C07D249-08; C07D263-56; C07D277-82;
       C07D285-135; C07D295-16; C07D295-22; C07D307-66
CC 23-16 (Aliphatic Compounds)
   Section cross-reference(s): 5
FAN.CNT 1
      PATENT NO.          KIND    DATE          APPLICATION NO.    DATE
      -----
PI    JP 2001288142      A2      20011016      JP 2000-97611      20000331
PRAI  JP 2000-97611      20000331
OS    MARPAT 135:303602
GI

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AB F2C:CH(CH2CH2)nR [n = 1-10; R = CA:B, benzoxazolyl Q (Z = H, halo, C1-6 alkyl, C1-6 alkylsulfonyl); A = OH, R1-4; R1 = C1-6 alkoxy which may have Ph, heterocyclyl, C1-6 alkylamino; R2 = O(1/m)Qm+; Qm+ = metal ion, ammonium which may have 1-4 C1-6 alkyl; m = 1-3; R3 = NHDn1E, NDE, heterocyclyl, C1-8 alkylamino, amino which may have quinolyl, carbonylamino which may have C3-6 haloalkyl, benzyloxyamino; D = C1-6 ALKYL; n1 = 0-3; E = heterocyclyl, Ph which may have OH, halo, C1-6 alkylsulfonyl, C1-6 haloalkoxy, C3-10 haloalkenylcarbonyloxy, C1-6 alkyl, cyano, NO2, C1-6 alkylthio, C1-6 alkylsulfinyl, C1-6 alkoxy carbonyl, C1-6 alkoxy, amino, aminocarbonyl, benzophenone group; R4 = C1-6 alkylthio; B = O, S, NR6; R5 = (halo)phenyl, (halo)benzyloxy], useful as agrochem. pesticides, are prepared by oxidizing F2C:CH(CH2CH2)n2CH2CH2OH (n2 = 1, 3, 5-10). An acetone solution of 6.0 g 9,9-difluoro-8-nonen-1-ol was treated with Jones' reagent to give 5.5 g 9,9-difluoro-8-nonen-1-ol (I). Application of I to tomato prevented spot formation due to *Phytophthora infestans*. Agrochem. formulations of the compds. were also given.

ST difluoroalkenyl compd prepn agrochem pesticide; fungicide agrochem difluorononen-1-ol prepn

IT Fungicides
(agrochem.; preparation of difluoroalkenyl compds. as agrochem. pesticides)

IT Pesticides
(preparation of difluoroalkenyl compds. as agrochem. pesticides)

IT 365573-17-7P 365573-19-9P 365573-22-4P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN

(Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of difluoroalkenyl compds. as agrochem. pesticides)

IT 105074-23-5P 365573-06-4P 365573-07-5P 365573-09-7P 365573-10-0P
 365573-11-1P 365573-12-2P 365573-13-3P 365573-14-4P 365573-15-5P
 365573-16-6P 365573-18-8P 365573-20-2P 365573-21-3P 365573-24-6P
 365573-25-7P 365573-26-8P 365573-27-9P 365573-28-0P 365573-29-1P
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 365573-47-3P 365573-48-4P 365573-49-5P 365573-50-8P 365573-51-9P
 365573-52-0P 365573-53-1P 365573-54-2P 365573-55-3P 365573-56-4P
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 365573-91-7P 365573-92-8P 365573-93-9P 365573-94-0P 365573-95-1P
 365573-96-2P 365573-97-3P 365573-98-4P 365573-99-5P 365574-00-1P
 365574-01-2P 365574-02-3P 365574-03-4P 365574-04-5P 365574-05-6P
 365574-06-7P 365574-07-8P 365574-08-9P 365574-09-0P 365574-10-3P
 365574-11-4P 365574-12-5P 365574-13-6P 365574-14-7P 365574-15-8P
 365574-16-9P 365574-17-0P 365574-18-1P 365574-19-2P 365574-20-5P
 365574-21-6P 365574-22-7P 365574-23-8P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of difluoroalkenyl compds. as agrochem. pesticides)

IT 62-53-3, Aniline, reactions 104-96-1, 4-Methylthioaniline 22927-31-7,
 4-Benzoyloxybutanal 60405-63-2 141137-44-2 354563-56-7 365573-04-2
 RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of difluoroalkenyl compds. as agrochem. pesticides)

IT 110922-22-0P 122934-55-8P 140433-73-4P 140433-74-5P 140433-75-6P
 365573-03-1P 365573-05-3P 365573-08-6P 365573-23-5P 365574-24-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

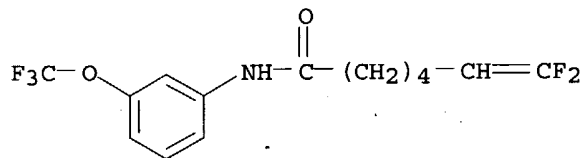
(preparation of difluoroalkenyl compds. as agrochem. pesticides)

IT **365573-57-5P**
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of difluoroalkenyl compds. as agrochem. pesticides)

RN 365573-57-5 HCAPLUS

CN 6-Heptenamide, 7,7-difluoro-N-[3-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



L11 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:784063 HCAPLUS

DN 132:22762

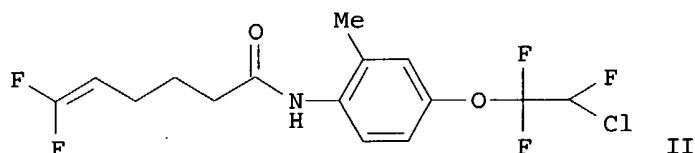
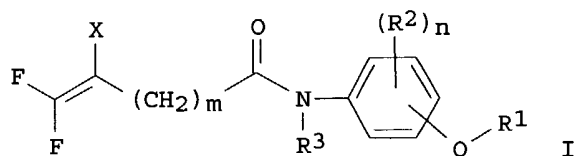
ED Entered STN: 10 Dec 1999

TI Difluoroalkenecarboxanilide pesticides and pesticidal compositions

IN Boger, Manfred; Maienfisch, Peter; Pitterna, Thomas
 PA Novartis A.-G., Switz.; Novartis-Erfindungen Verwaltungsgesellschaft m.b.H.
 SO PCT Int. Appl., 29 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM C07C233-27
 ICS A01N037-24
 CC 25-19 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
 Section cross-reference(s): 5

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9962866	A1	19991209	WO 1999-EP3790	19990531
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9943728	A1	19991220	AU 1999-43728	19990531
	EP 1084100	A1	20010321	EP 1999-926497	19990531
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002516897	T2	20020611	JP 2000-552080	19990531
	ZA 2000007063	A	20020116	ZA 2000-7063	20001130
	US 2003216467	A1	20031120	US 2000-728184	20001202
PRAI	CH 1998-1195	A	19980602		
	WO 1999-EP3790	W	19990531		
OS	MARPAT 132:22762				
GI					



AB The title compds. [I; R1 = halo-C1-6 alkyl, halo-C2-6 alkenyl, halo-C3-6 alkynyl; R2 = halo, NO2, cyano, C1-10 alkyl, C1-6 alkoxy, C3-8 cycloalkyl, etc.; R3 = H, (un)substituted C1-10 alkyl, (un)substituted benzyl; X = H, F, Me; m = 1, 3, 5, 7, 9; n = 0-4; with a proviso] were prepared and their use as pesticides in free or salt form is claimed. Pesticidal compns. containing I in free or salt form are also claimed. For example, etherification of 4,3-O2N(Me)C6H3OH with CF2:CFCl in DMF in the presence

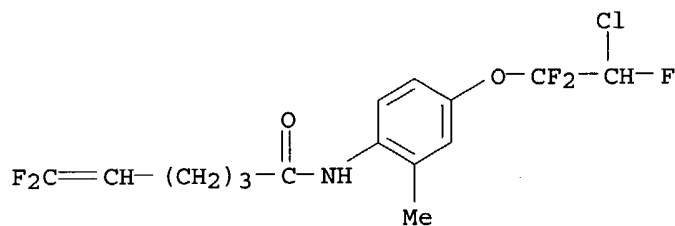
of KOH, hydrogenation of the product nitrophenyl ether and amidation of the resulting aminophenyl ether analog with $\text{CF}_2\text{CH}(\text{CH}_2)_3\text{COCl}$ gave a title compound II which at 400 ppm gave >80% kill of *Nilaparvata lugens* larvae (2nd and 3d stages) placed on presprayed rice plants.

- ST fluoroalkenecarboxanilide deriv prepn pesticide; nitrophenyl etherification chlorotrifluoroethylene pesticide prepn; chlorotrifluoroethoxynitrobenzene prepn hydrogenation amidation pesticide prepn; chlorotrifluoroethoxyaniline prepn amidation difluorohexenoic acid chloride pesticide prepn; fluorohexenoic acid chloride amidation chlorotrifluoroethoxyaniline pesticide prepn; fluorohexenecarboxanilide deriv prepn pesticide
- IT Pesticides
(preparation of difluoroalkenecarboxanilides as pesticides and their use in pesticidal compns.)
- IT 136103-88-3, 6,6-Difluorohex-5-enoic acid chloride
RL: RCT (Reactant); RACT (Reactant or reagent)
(amidation with (chlorotrifluoroethoxy)aniline derivative; preparation of difluoroalkenecarboxanilides as pesticides and their use in pesticidal compns.)
- IT 79-38-9, 1-Chloro-1,2,2-trifluoroethylene
RL: RCT (Reactant); RACT (Reactant or reagent)
(etherification of nitrophenol derivative; preparation of difluoroalkenecarboxanilides as pesticides and their use in pesticidal compns.)
- IT 2581-34-2, 3-Methyl-4-nitrophenol
RL: RCT (Reactant); RACT (Reactant or reagent)
(etherification with chlorotrifluoroethylene; preparation of difluoroalkenecarboxanilides as pesticides and their use in pesticidal compns.)
- IT 39211-42-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and amidation with difluorohexenoic acid chloride; preparation of difluoroalkenecarboxanilides as pesticides and their use in pesticidal compns.)
- IT 251981-49-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reduction to amine; preparation of difluoroalkenecarboxanilides as pesticides and their use in pesticidal compns.)
- IT 251981-32-5P 251981-33-6P 251981-34-7P
251981-35-8P 251981-36-9P 251981-37-0P
251981-38-1P 251981-39-2P 251981-40-5P
251981-42-7P 251981-43-8P 251981-44-9P
251981-45-0P 251981-46-1P 251981-47-2P
251981-48-3P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of difluoroalkenecarboxanilides as pesticides and their use in pesticidal compns.)
- RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
- RE
- (1) Bayer AG; WO 9708132 A 1997 HCAPLUS
- (2) Ciba Geigy AG; EP 0661289 A 1995 HCAPLUS
- IT 251981-32-5P 251981-33-6P 251981-34-7P
251981-35-8P 251981-36-9P 251981-37-0P
251981-38-1P 251981-39-2P 251981-40-5P
251981-42-7P 251981-43-8P 251981-44-9P
251981-45-0P 251981-46-1P 251981-47-2P
251981-48-3P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of difluoroalkenecarboxanilides as pesticides and their use in pesticidal compns.)

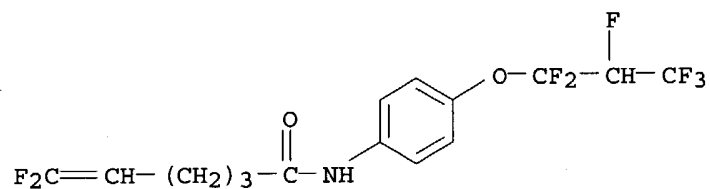
RN 251981-32-5 HCAPLUS

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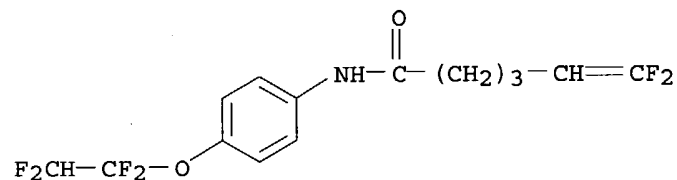
RN 251981-33-6 HCAPLUS

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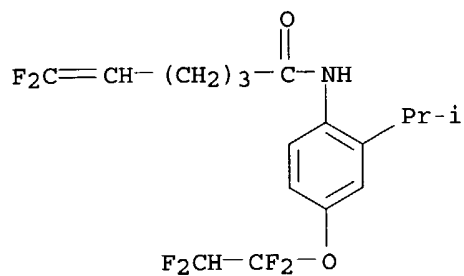
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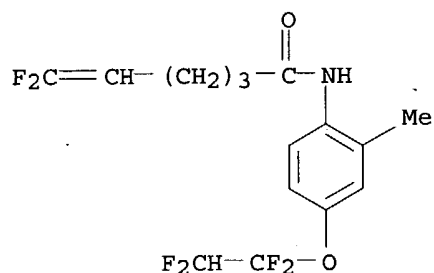
RN 251981-35-8 HCAPLUS

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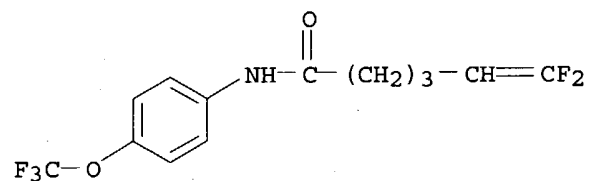
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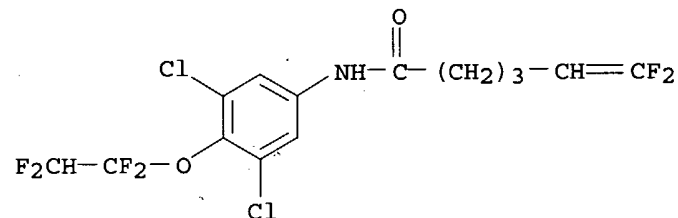
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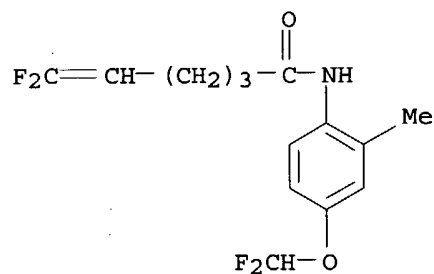
RN 251981-38-1 HCAPLUS

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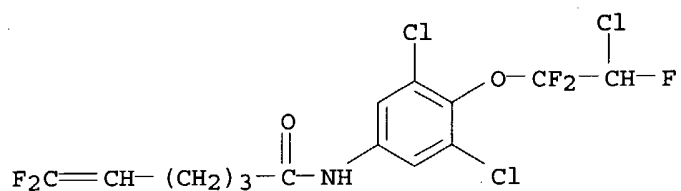
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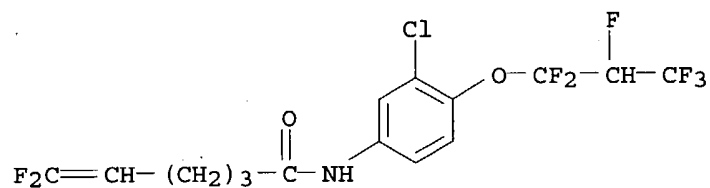
RN 251981-40-5 HCAPLUS

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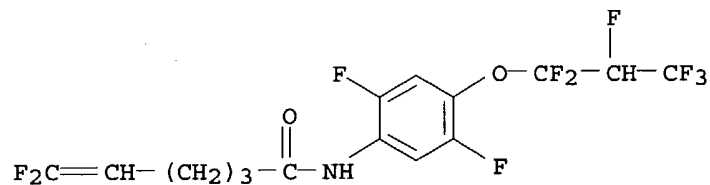
RN 251981-42-7 HCAPLUS

CN 5-Hexenamamide, N-[3-chloro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-6,6-difluoro- (9CI) (CA INDEX NAME)



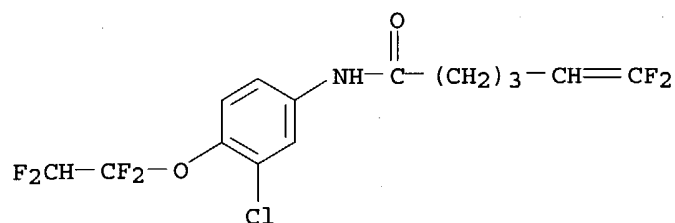
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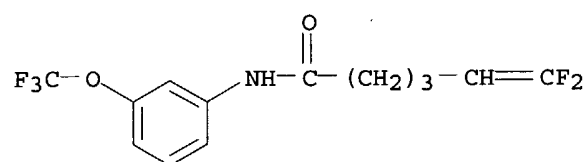
RN 251981-44-9 HCAPLUS

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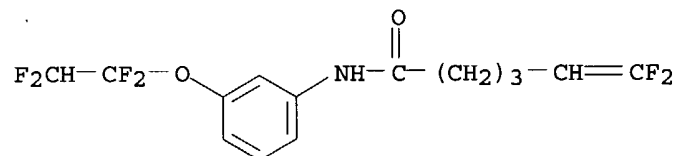
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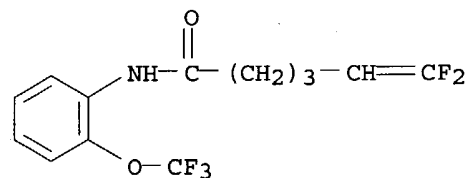
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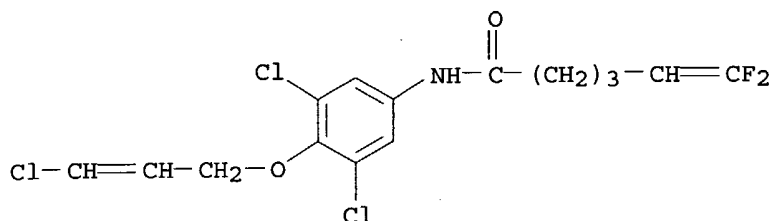
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RN 251981-48-3 HCAPLUS

CN 5-Hexenamide, N-[3,5-dichloro-4-[(3-chloro-2-propenyl)oxy]phenyl] -6,6-difluoro- (9CI) (CA INDEX NAME)



L11 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 1997:257366 HCAPLUS
 DN 126:238212
 ED Entered STN: 21 Apr 1997
 TI Fluorobutenic acid amides with pesticidal activity, and their preparation and use
 IN Kraatz, Udo; Andersch, Wolfram; Wachendorff-Neumann, Ulrike; Turnberg, Andreas; Mencke, Norbert Dr; Yalamanchili, Gopichand
 PA Bayer A.-G., Germany; Monsanto Co.
 SO Ger. Offen., 20 pp.
 CODEN: GWXXBX

DT Patent
 LA German
 IC ICM C07C233-15
 ICS C07C233-27; C07C233-09; C07C233-55; C07C233-44; C07C233-33;
 C07C255-60; C07C317-40; C07C323-36; C07D521-00; A01N037-30
 ICA C07C231-02; C07B043-06; C07D211-26; C07D213-61; C07D307-14; C07D307-52;
 C07D333-48
 CC 25-19 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
 Section cross-reference(s): 5

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19531300	A1	19970227	DE 1995-19531300	19950825
	WO 9708132	A1	19970306	WO 1996-EP3570	19960813
	W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US, VN				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9668729	A1	19970319	AU 1996-68729	19960813
	EP 848698	A1	19980624	EP 1996-929247	19960813
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	CN 1200109	A	19981125	CN 1996-197624	19960813
	BR 9610023	A	19990706	BR 1996-10023	19960813
	JP 11511438	T2	19991005	JP 1996-509775	19960813
PRAI	DE 1995-19531300		19950825		
	WO 1996-EP3570		19960813		

OS MARPAT 126:238212

AB Title amides $\text{CF}_2:\text{CR}_1\text{CH}_2\text{CONR}_2\text{R}_3$ (I) are claimed [wherein $\text{R}_1 = \text{H}$, halo; $\text{R}_2 = \text{H}$, alkyl, Ph optionally substituted by halo or alkyl; $\text{R}_3 =$ certain substituted Ph, phenylalkyl, cycloalkyl, cycloalkylalkyl, or (phenyl)heteroarylalkyl groups]. Over 50 such compds. are listed. I are especially useful against nematodes and acarids, and are also said to be useful (no data) against foliar insects and Pyricularia oryzae on rice. For instance, amidation of $\text{CF}_2:\text{CFCH}_2\text{COCl}$ with 4-chloroaniline in CH_2Cl_2 in the presence of Et₃N gave the title compound $\text{CF}_2:\text{CFCH}_2\text{CONHC}_6\text{H}_4\text{Cl}-4$ (II). Selected I, including II, were 100% active against the standard nematode Meloidogyne incognita at 100 ppm, and $\geq 95\%$ active against organophosphate-resistant Tetranychus at 0.01%.

ST fluorobutenamide prepn insecticide acaricide nematocide fungicide; arylfluorobutenamide prepn pesticide

IT Acaricides
Fungicides
Insecticides
Nematocides
Pesticides
(preparation of fluorobutenamides as pesticides)

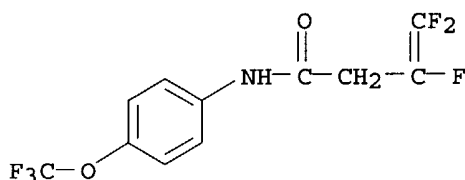
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RL: AGR (Agricultural use); BAC (Biological activity or effector, except
adverse); BSU (Biological study, unclassified); SPN (Synthetic
preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of fluorobutenamides as pesticides)

IT 106-47-8, 4-Chloroaniline, reactions 145342-83-2, 3,4,4-Trifluoro-3-
butenoic acid chloride
RL: RCT (Reactant); RACT (Reactant or reagent)
(starting material; preparation of fluorobutenamides as pesticides)

IT **188543-49-9P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except
adverse); BSU (Biological study, unclassified); SPN (Synthetic
preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of fluorobutenamides as pesticides)

RN 188543-49-9 HCAPLUS

CN 3-Butenamide, 3,4,4-trifluoro-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA
INDEX NAME)



=>

* * * * * STN Columbus * * * * *

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

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FULL ESTIMATED COST

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0.21

FILE 'REGISTRY' ENTERED AT 15:22:19 ON 16 MAR 2004

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STRUCTURE FILE UPDATES: 15 MAR 2004 HIGHEST RN 663595-21-9

DICTIONARY FILE UPDATES: 15 MAR 2004 HIGHEST RN 663595-21-9

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<http://www.cas.org/ONLINE/DBSS/registryss.html>

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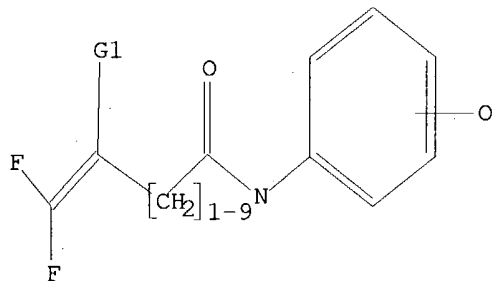
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L1 HAS NO ANSWERS

L1 STR



G1 H, F, Me

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 26 TO ITERATE

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3 ANSWERS

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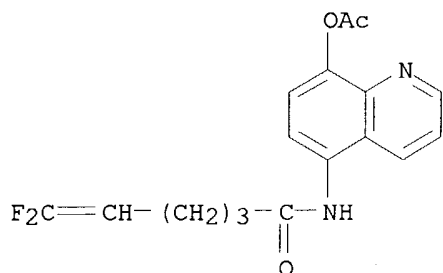
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PROJECTED ANSWERS: 3 TO 163

L2 3 SEA SSS SAM L1

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L2 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2004 ACS on STN
RN 610793-21-0 REGISTRY
CN 5-Hexenamide, N-[8-(acetyloxy)-5-quinolinyl]-6,6-difluoro- (9CI) (CA
INDEX NAME)
FS 3D CONCORD
MF C17 H16 F2 N2 O3
SR CA
LC STN Files: CA, CAPLUS

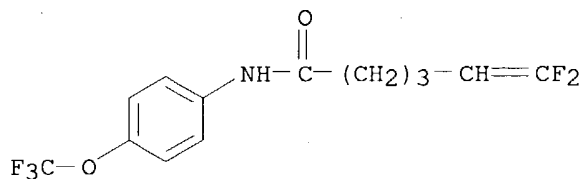


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L2 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2004 ACS on STN
RN 251981-37-0 REGISTRY
CN 5-Hexenamide, 6,6-difluoro-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA
INDEX NAME)
FS 3D CONCORD
MF C13 H12 F5 N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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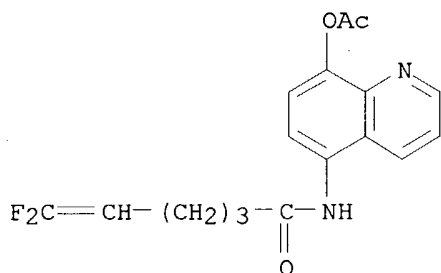
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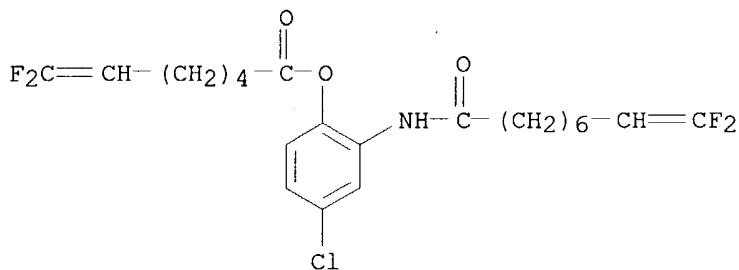
L3 ANSWER 1 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
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CN 5-Hexenamide, N-[8-(acetyloxy)-5-quinolinyl]-6,6-difluoro- (9CI) (CA
INDEX NAME)
FS 3D CONCORD
MF C17 H16 F2 N2 O3
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 365574-07-8 REGISTRY
CN 6-Heptenoic acid, 7,7-difluoro-, 4-chloro-2-[(9,9-difluoro-1-oxo-8-nonenyl)amino]phenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
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SR CA
LC STN Files: CA, CAPLUS

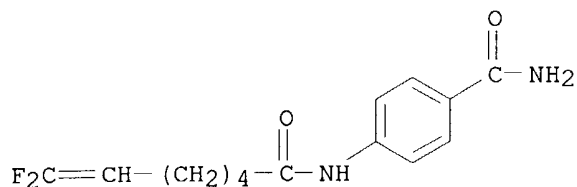


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 365573-88-2 REGISTRY
CN Benzamide, 4-[(7,7-difluoro-1-oxo-6-heptenyl)amino]- (9CI) (CA INDEX
NAME)

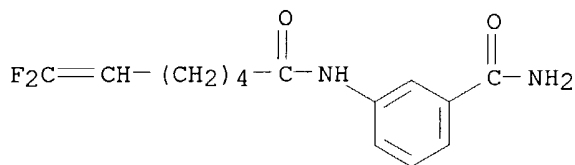
FS 3D CONCORD
 MF C14 H16 F2 N2 O2
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

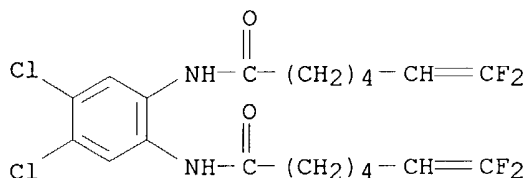
L3 ANSWER 4 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 365573-86-0 REGISTRY
 CN Benzamide, 3-[(7,7-difluoro-1-oxo-6-heptenyl)amino]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H16 F2 N2 O2
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 365573-84-8 REGISTRY
 CN 6-Heptenamide, N,N'-(4,5-dichloro-1,2-phenylene)bis[7,7-difluoro- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C20 H22 Cl2 F4 N2 O2
 SR CA
 LC STN Files: CA, CAPLUS

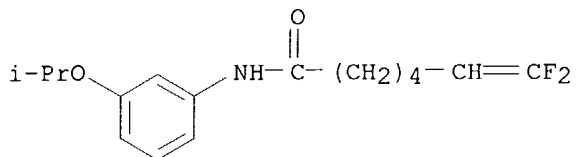


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1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

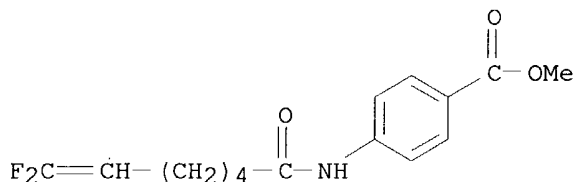
L3 ANSWER 6 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 365573-83-7 REGISTRY
 CN 6-Heptenamide, 7,7-difluoro-N-[3-(1-methylethoxy)phenyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H21 F2 N O2
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

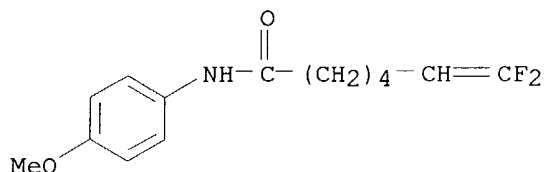
L3 ANSWER 7 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 365573-77-9 REGISTRY
 CN Benzoic acid, 4-[(7,7-difluoro-1-oxo-6-heptenyl)amino]-, methyl ester (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C15 H17 F2 N O3
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

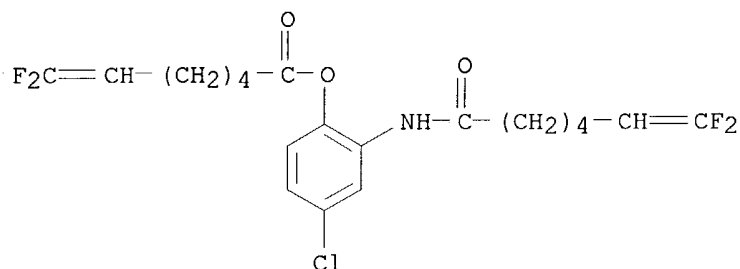
L3 ANSWER 8 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 365573-70-2 REGISTRY
 CN 6-Heptenamide, 7,7-difluoro-N-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H17 F2 N O2
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

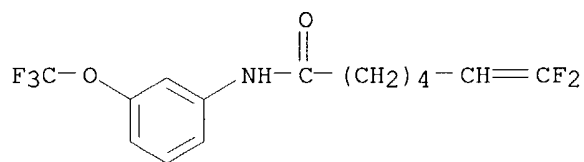
L3 ANSWER 9 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 365573-59-7 REGISTRY
CN 6-Heptenoic acid, 7,7-difluoro-, 4-chloro-2-[(7,7-difluoro-1-oxo-6-heptenyl)amino]phenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C20 H22 Cl F4 N O3
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

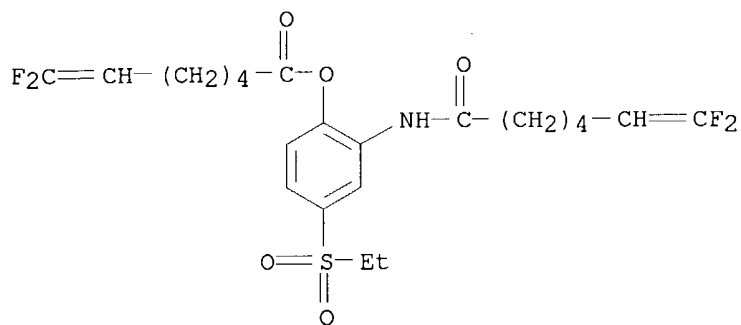
L3 ANSWER 10 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 365573-57-5 REGISTRY
CN 6-Heptenamide, 7,7-difluoro-N-[3-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H14 F5 N O2
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

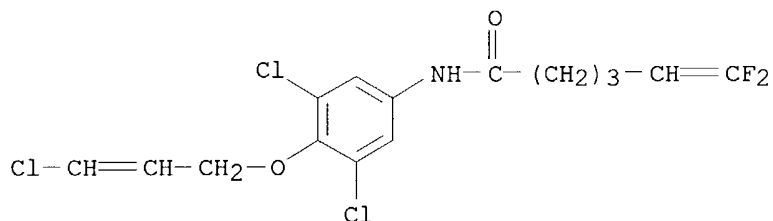
L3 ANSWER 11 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 365573-54-2 REGISTRY
CN 6-Heptenoic acid, 7,7-difluoro-, 2-[(7,7-difluoro-1-oxo-6-heptenyl)amino]-4-(ethylsulfonyl)phenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C22 H27 F4 N O5 S
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

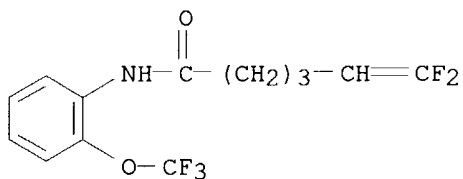
L3 ANSWER 12 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 251981-48-3 REGISTRY
CN 5-Hexenamide, N-[3,5-dichloro-4-[(3-chloro-2-propenyl)oxy]phenyl]-6,6-difluoro- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H14 Cl3 F2 N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

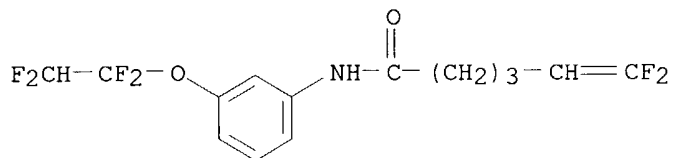
L3 ANSWER 13 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 251981-47-2 REGISTRY
CN 5-Hexenamide, 6,6-difluoro-N-[2-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H12 F5 N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

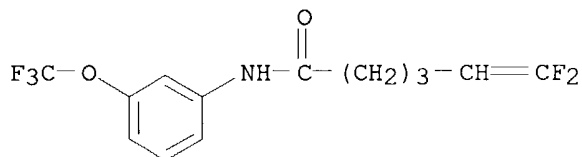
L3 ANSWER 14 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 251981-46-1 REGISTRY
CN 5-Hexenamide, 6,6-difluoro-N-[3-(1,1,2,2-tetrafluoroethoxy)phenyl]- (9CI)
(CA INDEX NAME)
FS 3D CONCORD
MF C14 H13 F6 N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

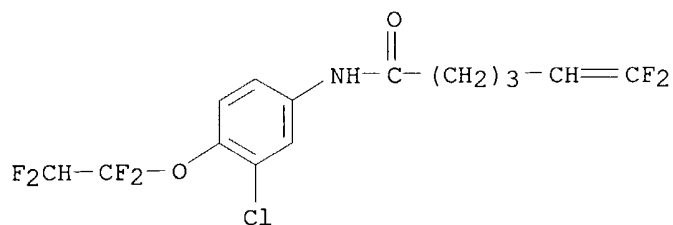
L3 ANSWER 15 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 251981-45-0 REGISTRY
CN 5-Hexenamide, 6,6-difluoro-N-[3-(trifluoromethoxy)phenyl]- (9CI) (CA
INDEX NAME)
FS 3D CONCORD
MF C13 H12 F5 N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
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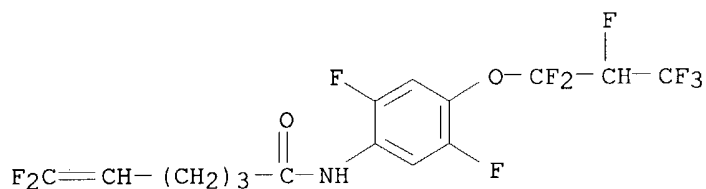
L3 ANSWER 16 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 251981-44-9 REGISTRY
CN 5-Hexenamide, N-[3-chloro-4-(1,1,2,2-tetrafluoroethoxy)phenyl]-6,6-
difluoro- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H12 Cl F6 N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

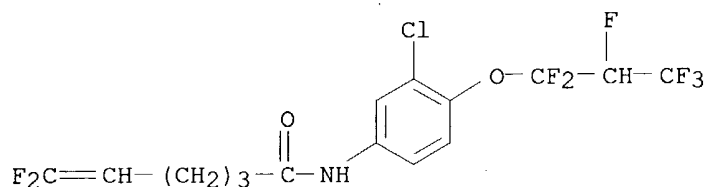
L3 ANSWER 17 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 251981-43-8 REGISTRY
CN 5-Hexenamamide, N-[2,5-difluoro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-6,6-difluoro- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H11 F10 N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 18 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 251981-42-7 REGISTRY
CN 5-Hexenamamide, N-[3-chloro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-6,6-difluoro- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H12 Cl F8 N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

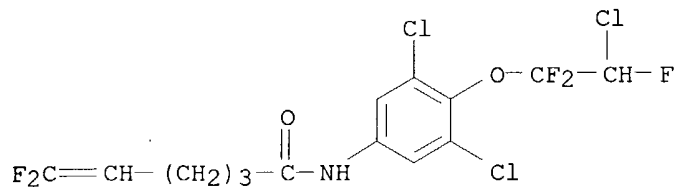


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 19 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN

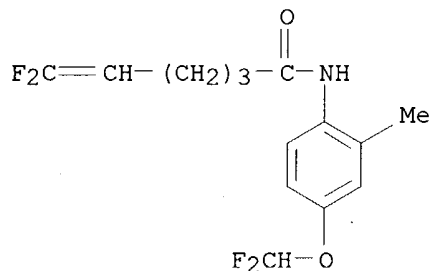
RN 251981-40-5 REGISTRY
 CN 5-Hexenamide, N-[3,5-dichloro-4-(2-chloro-1,1,2-trifluoroethoxy)phenyl]-
 6,6-difluoro- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H11 Cl3 F5 N O2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

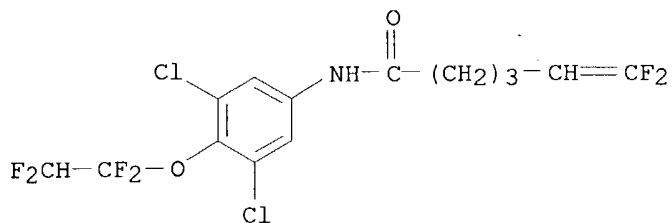
L3 ANSWER 20 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 251981-39-2 REGISTRY
 CN 5-Hexenamide, N-[4-(difluoromethoxy)-2-methylphenyl]-6,6-difluoro- (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H15 F4 N O2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

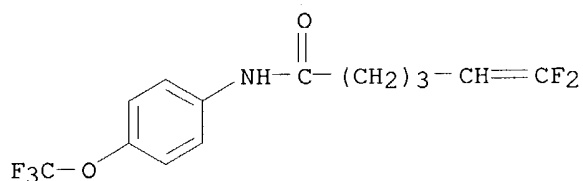
L3 ANSWER 21 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 251981-38-1 REGISTRY
 CN 5-Hexenamide, N-[3,5-dichloro-4-(1,1,2,2-tetrafluoroethoxy)phenyl]-6,6-
 difluoro- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H11 Cl2 F6 N O2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

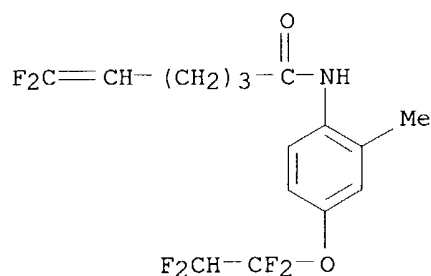
L3 ANSWER 22 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 251981-37-0 REGISTRY
CN 5-Hexenamide, 6,6-difluoro-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H12 F5 N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

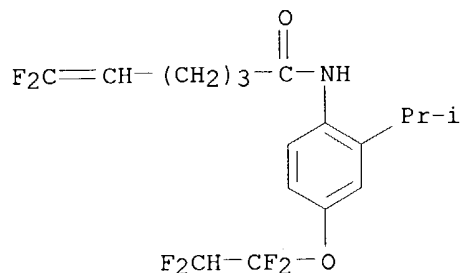
L3 ANSWER 23 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 251981-36-9 REGISTRY
CN 5-Hexenamide, 6,6-difluoro-N-[2-methyl-4-(1,1,2,2-tetrafluoroethoxy)phenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H15 F6 N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

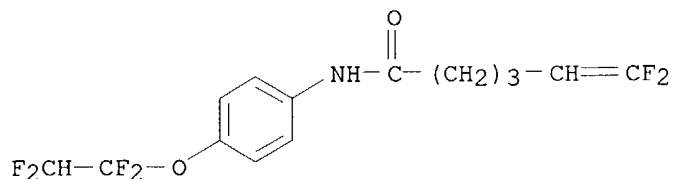
L3 ANSWER 24 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 251981-35-8 REGISTRY
 CN 5-Hexenamide, 6,6-difluoro-N-[2-(1-methylethyl)-4-(1,1,2,2-tetrafluoroethoxy)phenyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H19 F6 N O2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

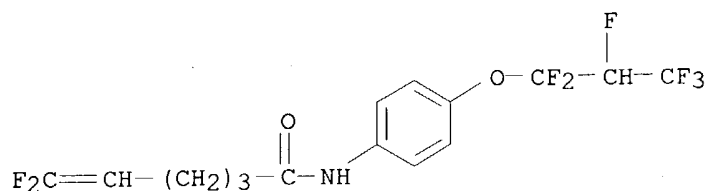
L3 ANSWER 25 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 251981-34-7 REGISTRY
 CN 5-Hexenamide, 6,6-difluoro-N-[4-(1,1,2,2-tetrafluoroethoxy)phenyl]- (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H13 F6 N O2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
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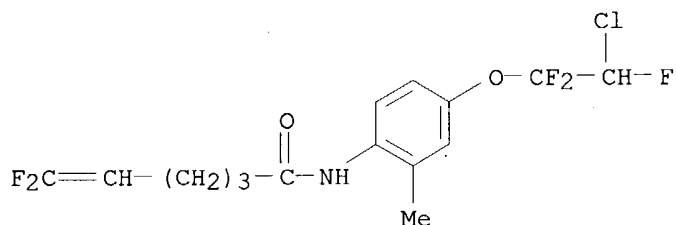
L3 ANSWER 26 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 251981-33-6 REGISTRY
 CN 5-Hexenamide, 6,6-difluoro-N-[4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C15 H13 F8 N O2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

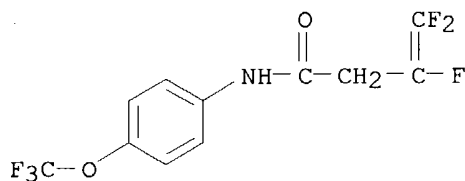
L3 ANSWER 27 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 251981-32-5 REGISTRY
CN 5-Hexenamide, N-[4-(2-chloro-1,1,2-trifluoroethoxy)-2-methylphenyl]-6,6-difluoro- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H15 Cl F5 N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 28 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 188543-49-9 REGISTRY
CN 3-Butenamide, 3,4,4-trifluoro-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C11 H7 F6 N O2
SR CA
LC STN Files: CA, CAPLUS

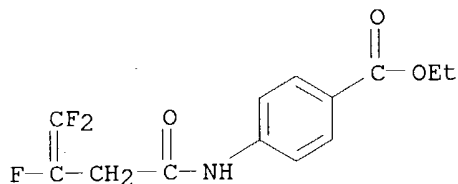


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 29 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 188543-46-6 REGISTRY

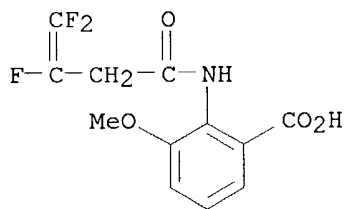
CN Benzoic acid, 4-[(3,4,4-trifluoro-1-oxo-3-butenyl)amino]-, ethyl ester
 (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C13 H12 F3 N O3
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

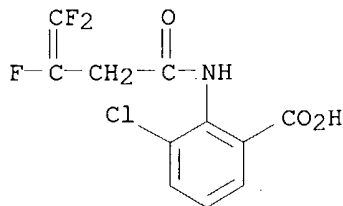
L3 ANSWER 30 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 188543-41-1 REGISTRY
 CN Benzoic acid, 3-methoxy-2-[(3,4,4-trifluoro-1-oxo-3-butenyl)amino]- (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C12 H10 F3 N O4
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
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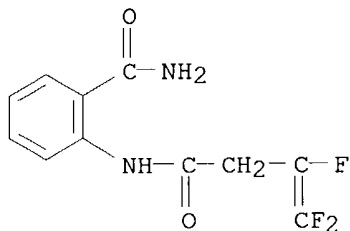
L3 ANSWER 31 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 188543-39-7 REGISTRY
 CN Benzoic acid, 3-chloro-2-[(3,4,4-trifluoro-1-oxo-3-butenyl)amino]- (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C11 H7 Cl F3 N O3
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

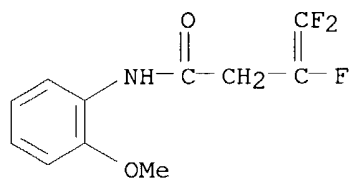
L3 ANSWER 32 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 188543-37-5 REGISTRY
CN Benzamide, 2-[(3,4,4-trifluoro-1-oxo-3-butenyl)amino]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C11 H9 F3 N2 O2
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

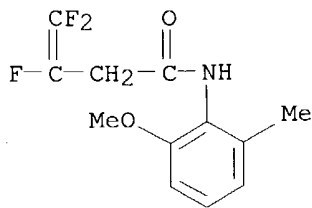
L3 ANSWER 33 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 188543-36-4 REGISTRY
CN 3-Butenamide, 3,4,4-trifluoro-N-(2-methoxyphenyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C11 H10 F3 N O2
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

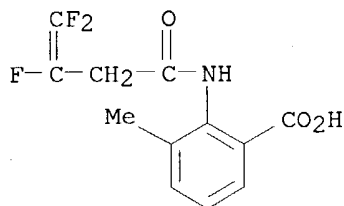
L3 ANSWER 34 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 188543-35-3 REGISTRY
CN 3-Butenamide, 3,4,4-trifluoro-N-(2-methoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C12 H12 F3 N O2
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

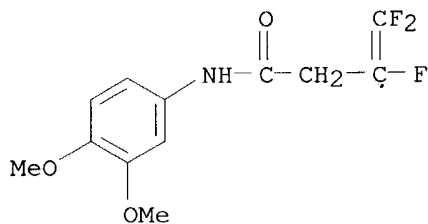
L3 ANSWER 35 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 188543-33-1 REGISTRY
CN Benzoic acid, 3-methyl-2-[(3,4,4-trifluoro-1-oxo-3-butenyl)amino]- (9CI)
(CA INDEX NAME)
FS 3D CONCORD
MF C12 H10 F3 N O3
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 36 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 188543-14-8 REGISTRY
CN 3-Butenamide, N-(3,4-dimethoxyphenyl)-3,4,4-trifluoro- (9CI) (CA INDEX
NAME)
FS 3D CONCORD
MF C12 H12 F3 N O3
SR CA
LC STN Files: CA, CAPLUS

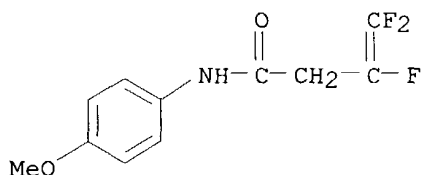


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 37 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN

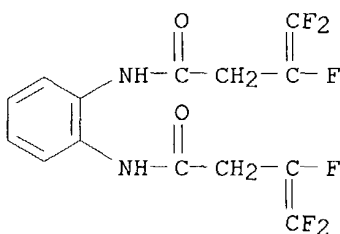
RN 188543-08-0 REGISTRY
 CN 3-Butenamide, 3,4,4-trifluoro-N-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C11 H10 F3 N O2
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

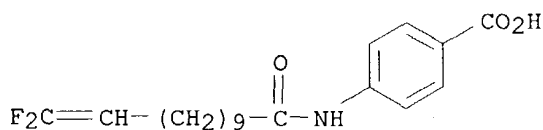
L3 ANSWER 38 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 188542-97-4 REGISTRY
 CN 3-Butenamide, N,N'-1,2-phenylenebis[3,4,4-trifluoro- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H10 F6 N2 O2
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

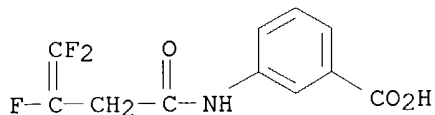
L3 ANSWER 39 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 168901-93-7 REGISTRY
 CN Benzoic acid, 4-[(12,12-difluoro-1-oxo-11-dodecenyl)amino]- (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN 12,12-Difluorododec-11-enoic acid N-(4-carboxyphenyl)amide
 FS 3D CONCORD
 MF C19 H25 F2 N O3
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

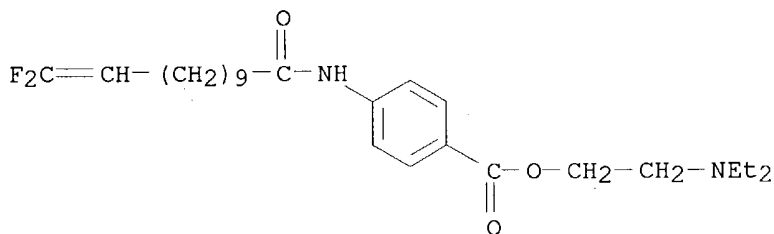
L3 ANSWER 40 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 145343-09-5 REGISTRY
CN Benzoic acid, 3-[(3,4,4-trifluoro-1-oxo-3-butenyl)amino]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C11 H8 F3 N O3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 41 OF 41 REGISTRY COPYRIGHT 2004 ACS on STN
RN 130814-00-5 REGISTRY
CN Benzoic acid, 4-[(12,12-difluoro-1-oxo-11-dodecenyl)amino]-, 2-(diethylamino)ethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C25 H38 F2 N2 O3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

232.37

232.58

FILE 'CAPLUS' ENTERED AT 15:24:12 ON 16 MAR 2004

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FILE COVERS 1907 - 16 Mar 2004 VOL 140 ISS 12
FILE LAST UPDATED: 15 Mar 2004 (20040315/ED)

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YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:n
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003084927	A1	20031016	WO 2003-JP4331	20030404
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	JP 2004002328	A2	20040108	JP 2003-78469	20030320
PRAI	JP 2002-104390	A	20020405		
OS	MARPAT 139:307534				
RE.CNT	2	THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD			
		ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:754033 CAPLUS
DN 135:303602
TI Preparation of difluoroalkenyl compounds and agrochemical pesticides
containing them
IN Hatano, Koji; Nakamoto, Yasushi; Umeyama, Hideaki; Noritake, Tomoya
PA Ube Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 32 pp.
CODEN: JKXXAF

DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001288142	A2	20011016	JP 2000-97611	20000331
PRAI	JP 2000-97611		20000331		
OS	MARPAT 135:303602				

L4 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:784063 CAPLUS
DN 132:22762
TI Difluoroalkenecarboxanilide pesticides and pesticidal compositions
IN Boger, Manfred; Maienfisch, Peter; Pitterna, Thomas
PA Novartis A.-G., Switz.; Novartis-Erfindungen Verwaltungsgesellschaft
m.b.H.
SO PCT Int. Appl., 29 pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9962866	A1	19991209	WO 1999-EP3790	19990531
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9943728	A1	19991220	AU 1999-43728	19990531
	EP 1084100	A1	20010321	EP 1999-926497	19990531
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002516897	T2	20020611	JP 2000-552080	19990531
	ZA 2000007063	A	20020116	ZA 2000-7063	20001130
	US 2003216467	A1	20031120	US 2000-728184	20001202
PRAI	CH 1998-1195	A	19980602		
	WO 1999-EP3790	W	19990531		
OS	MARPAT 132:22762				

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:747815 CAPLUS
DN 129:316043
TI N-Phenyl- ω -fluoroalkenamides, process for their preparation, pesticidal compositions and their preparation, use as pesticides, methods for control of pests, and plant propagation materials
IN Maienfisch, Peter; Boeger, Manfred; Pitterna, Thomas; Szczepanski, Henry
PA Ciba-Geigy Quimica S/A, Brazil
SO Braz. Pedido PI, 108 pp.
CODEN: BPXXDX

DT Patent
LA Portuguese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	BR 9502970	A	19970923	BR 1995-2970	19950628
PRAI	BR 1995-2970		19950628		
OS	MARPAT 129:316043				

L4 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1997:257366 CAPLUS

DN 126:238212
 TI Fluorobutenoic acid amides with pesticidal activity, and their preparation and use
 IN Kraatz, Udo; Andersch, Wolfram; Wachendorff-Neumann, Ulrike; Turnberg, Andreas; Mencke, Norbert Dr; Yalamanchili, Gopichand
 PA Bayer A.-G., Germany; Monsanto Co.
 SO Ger. Offen., 20 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19531300	A1	19970227	DE 1995-19531300	19950825
	WO 9708132	A1	19970306	WO 1996-EP3570	19960813
	W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US, VN				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9668729	A1	19970319	AU 1996-68729	19960813
	EP 848698	A1	19980624	EP 1996-929247	19960813
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, IE				
	CN 1200109	A	19981125	CN 1996-197624	19960813
	BR 9610023	A	19990706	BR 1996-10023	19960813
	JP 11511438	T2	19991005	JP 1996-509775	19960813
PRAI	DE 1995-19531300		19950825		
	WO 1996-EP3570		19960813		
OS	MARPAT 126:238212				

L4 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1995:851779 CAPLUS
 DN 123:256356
 TI Vinyl carboxamide derivatives as insecticides and acaricides.
 IN Maienfisch, Peter; Boeger, Manfred; Pitterna, Thomas; Szczepanski, Henry
 PA Ciba-Geigy A.-G., Switz.; Syngenta Participations AG
 SO Eur. Pat. Appl., 41 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 661289	A1	19950705	EP 1994-810735	19941219
	EP 661289	B1	20040303		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	AU 9481674	A1	19950706	AU 1994-81674	19941222
	AU 691533	B2	19980521		
	CA 2139044	AA	19950630	CA 1994-2139044	19941223
	ZA 9410348	A	19950629	ZA 1994-10348	19941228
	CN 1114320	A	19960103	CN 1994-113507	19941228
	JP 07224015	A2	19950822	JP 1994-340160	19941229
	US 5545630	A	19960813	US 1995-462450	19950605
	US 5763481	A	19980609	US 1996-678002	19960710
PRAI	CH 1993-3895	A	19931229		
	US 1994-366126	B1	19941229		
	US 1995-462450	A3	19950605		
OS	CASREACT 123:256356; MARPAT 123:256356				

L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1993:494942 CAPLUS
 DN 119:94942
 TI Preparation of fluoroalkenyl group-containing compounds as pesticides.
 IN Ruminski, P. G.
 PA Monsanto Co., USA
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 99 pp.
 CODEN: CNXXEV
 DT Patent

LA Chinese

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1064479	A	19920916	CN 1992-101341	19920228
	CN 1057755	B	20001025		
	HU 65415	A2	19940628	HU 1993-2462	19920227
	EP 798285	A2	19971001	EP 1997-107054	19920227
	EP 798285	A3	19971008		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC				
	RU 2117658	C1	19980820	RU 1993-54170	19920227
	AT 172957	E	19981115	AT 1992-907941	19920227
	ES 2123553	T3	19990116	ES 1992-907941	19920227
	ZA 9201535	A	19921230	ZA 1992-1535	19920228
	IL 101105	A1	20000716	IL 1992-101105	19920228
	US 5389680	A	19950214	US 1993-138937	19931018
	US 5457134	A	19951010	US 1994-321952	19941012
	US 5561162	A	19961001	US 1995-401635	19950308
	US 5623084	A	19970422	US 1995-443645	19950518
	US 5714517	A	19980203	US 1996-701517	19960822
	US 5693865	A	19971202	US 1996-763802	19961211
	CN 1269136	A	20001011	CN 1998-125774	19981215
PRAI	US 1991-663218	A	19910301		
	US 1992-827231	A	19920203		
	EP 1992-907941	A3	19920227		
	US 1993-138937	A3	19931018		
	US 1994-321952	A3	19941012		
	US 1995-401635	A1	19950308		
	US 1995-443645	A3	19950518		

L4 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1993:59302 CAPLUS

DN 118:59302

TI Preparation of fluorobutenamine derivatives as pesticides

IN Ruminsky, Peter Gerrard

PA Monsanto Co., USA

SO PCT Int. Appl., 106 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9215555	A2	19920917	WO 1992-US1474	19920227
	WO 9215555	A3	19930304		
	W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KR, LK, MG, MW, NO, PL, RO, RU, SD				
	RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, MC, ML, MR, NL, SE, SN, TD, TG				
	AU 9215569	A1	19921006	AU 1992-15569	19920227
	AU 664031	B2	19951102		
	BR 9205711	A	19940517	BR 1992-5711	19920227
	JP 06505485	T2	19940623	JP 1992-507559	19920227
	HU 65415	A2	19940628	HU 1993-2462	19920227
	EP 640069	A1	19950301	EP 1992-907941	19920227
	EP 640069	B1	19981104		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE				
	PL 167415	B1	19950930	PL 1992-300390	19920227
	CZ 281557	B6	19961113	CZ 1993-1779	19920227
	EP 798285	A2	19971001	EP 1997-107054	19920227
	EP 798285	A3	19971008		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC				
	RO 112854	B1	19980130	RO 1993-1173	19920227
	RU 2117658	C1	19980820	RU 1993-54170	19920227
	AT 172957	E	19981115	AT 1992-907941	19920227
	ES 2123553	T3	19990116	ES 1992-907941	19920227
	ZA 9201535	A	19921230	ZA 1992-1535	19920228

IL	101105	A1	20000716	IL	1992-101105	19920228
KR	132120	B1	19980413	KR	1993-702612	19930831
US	5389680	A	19950214	US	1993-138937	19931018
US	5457134	A	19951010	US	1994-321952	19941012
US	5561162	A	19961001	US	1995-401635	19950308
US	5623084	A	19970422	US	1995-443645	19950518
US	5714517	A	19980203	US	1996-701517	19960822
US	5693865	A	19971202	US	1996-763802	19961211
CN	1269136	A	20001011	CN	1998-125774	19981215
PRAI	US 1991-663218	A	19910301			
	US 1992-827231	A	19920203			
	EP 1992-907941	A3	19920227			
	WO 1992-US1474	A	19920227			
	US 1993-138937	A3	19931018			
	US 1994-321952	A3	19941012			
	US 1995-401635	A1	19950308			
	US 1995-443645	A3	19950518			
OS	MARPAT 118:59302					

L4 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1991:2267 CAPLUS
 DN 114:2267
 TI Preparation of difluoroalkane and difluoroalkenylalkane insecticides,
 acaricides, and nematocides
 IN Peake, Clinton J.; Cullen, Thomas G.; Martinez, Anthony J.
 PA FMC Corp., USA
 SO U.S., 12 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 4950666	A	19900821	US 1989-331563	19890330
PRAI	US 1989-331563		19890330		
OS	CASREACT 114:2267; MARPAT 114:2267				